

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
 Data File : BP008413.D
 Acq On : 15 Dec 2021 12:59
 Operator : CG/JU
 Sample : M5076-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-19-G

Quant Time: Dec 15 13:37:14 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 14 17:59:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

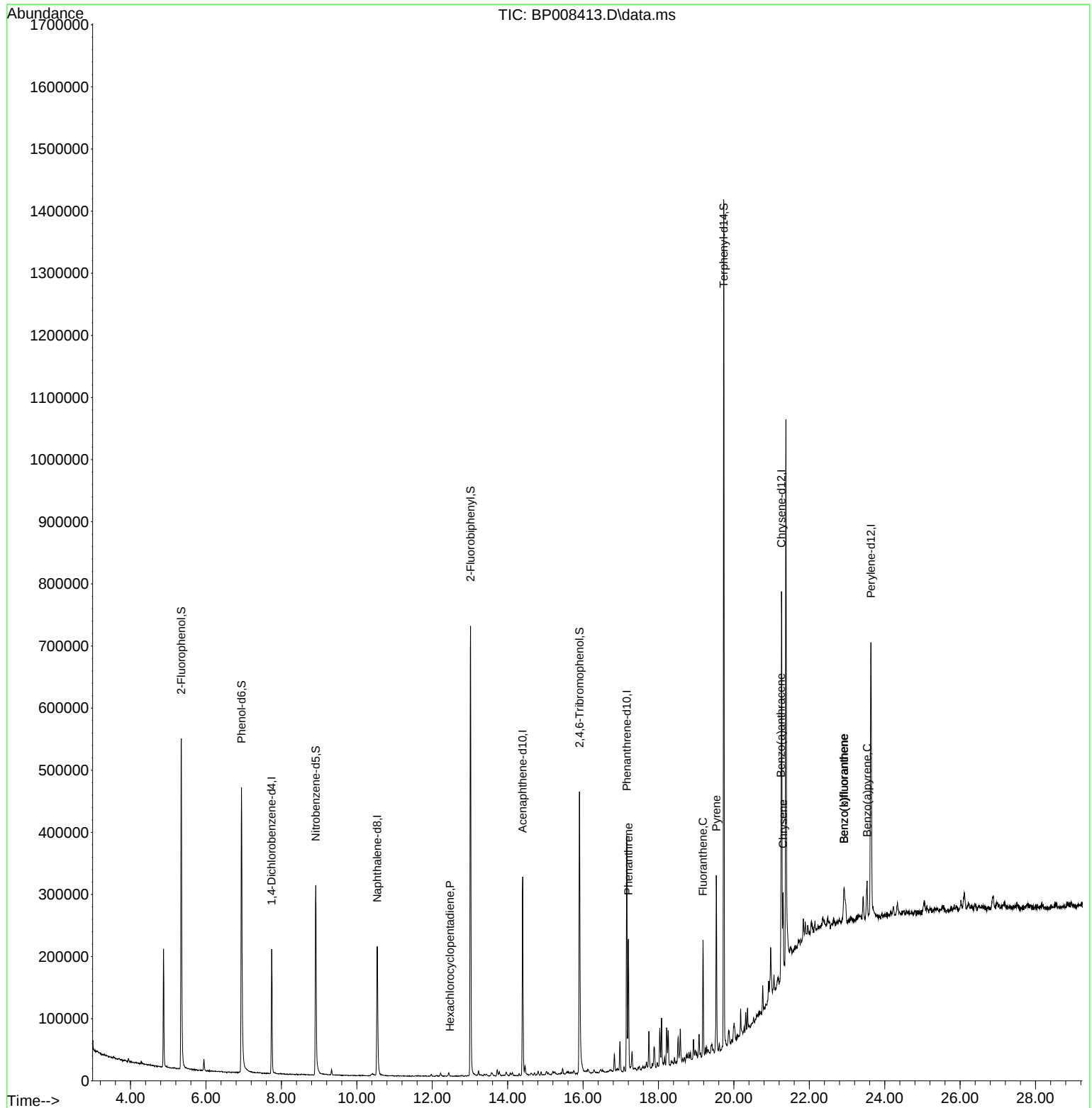
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	52788	20.000	ng	0.00
21) Naphthalene-d8	10.540	136	185453	20.000	ng	0.00
39) Acenaphthene-d10	14.398	164	113348	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	238800	20.000	ng	0.00
76) Chrysene-d12	21.263	240	291603	20.000	ng	0.00
86) Perylene-d12	23.633	264	350718	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	239456	71.637	ng	0.00
7) Phenol-d6	6.940	99	298957	66.592	ng	0.00
23) Nitrobenzene-d5	8.911	82	206977	47.282	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	108759	65.292	ng	0.00
45) 2-Fluorobiphenyl	13.016	172	387540	43.463	ng	0.00
79) Terphenyl-d14	19.733	244	657364	39.234	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.223	88	275	Below Cal	#	6
9) Benzaldehyde	6.858	77	135	Below Cal	#	20
41) Hexachlorocyclopentadiene	12.469	237	9	8.659	ng	78
71) Phenanthrene	17.204	178	129607	10.019	ng	99
75) Fluoranthene	19.181	202	101661	6.961	ng	98
78) Pyrene	19.533	202	172460	8.266	ng	99
81) Benzo(a)anthracene	21.251	228	70651	3.615	ng	97
83) Chrysene	21.304	228	67306	3.606	ng	98
88) Benzo(b)fluoranthene	22.922	252	69872	3.312	ng	# 91
89) Benzo(k)fluoranthene	22.922	252	69872	3.284	ng	# 90
90) Benzo(a)pyrene	23.533	252	43636	2.383	ng	96

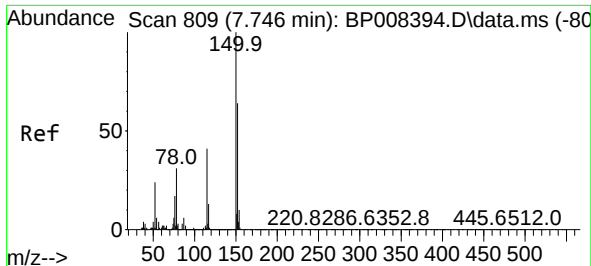
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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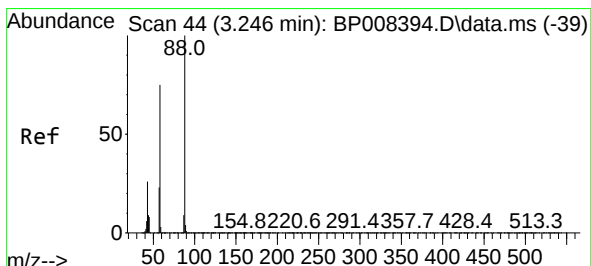
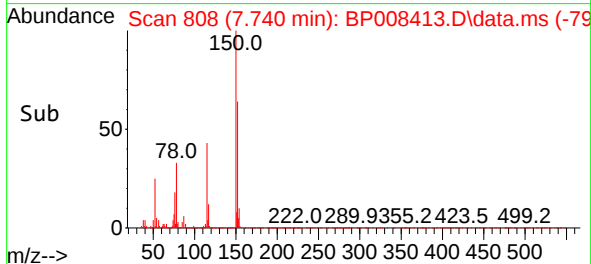
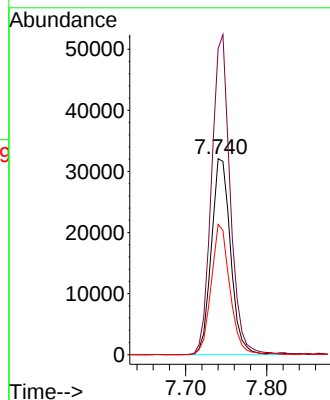
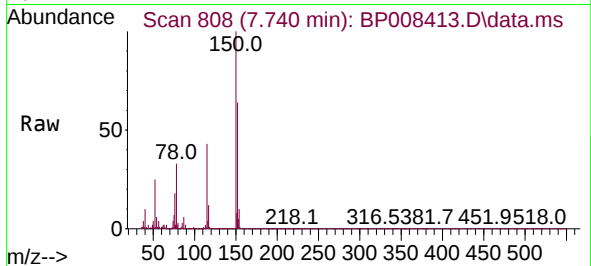




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.740 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BP008413.D
 Acq: 15 Dec 2021 12:59

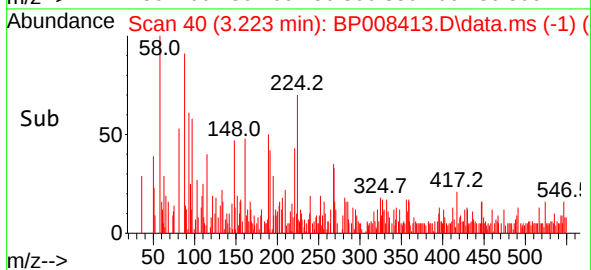
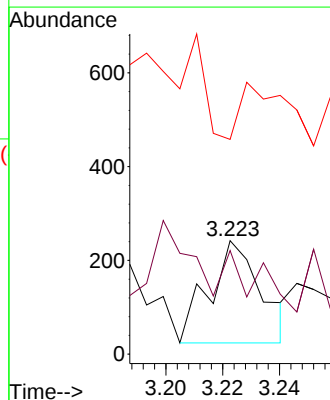
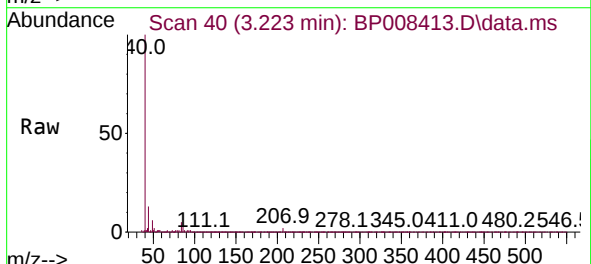
Instrument :
 BNA_P
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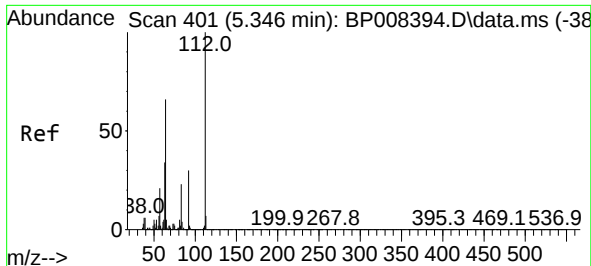
Tgt Ion:152 Resp: 52788
 Ion Ratio Lower Upper
 152 100
 150 156.1 125.7 188.5
 115 66.5 50.7 76.1



#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.223 min Scan# 40
 Delta R.T. -0.023 min
 Lab File: BP008413.D
 Acq: 15 Dec 2021 12:59

Tgt Ion: 88 Resp: 275
 Ion Ratio Lower Upper
 88 100
 58 0.0 63.5 95.3#
 43 84.4 23.4 35.2#

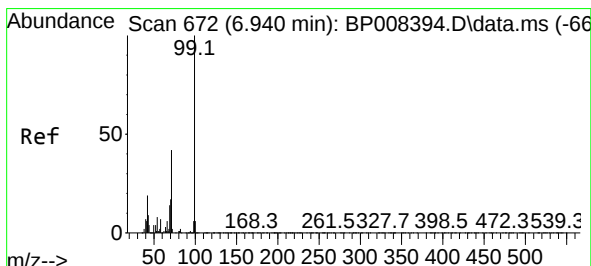
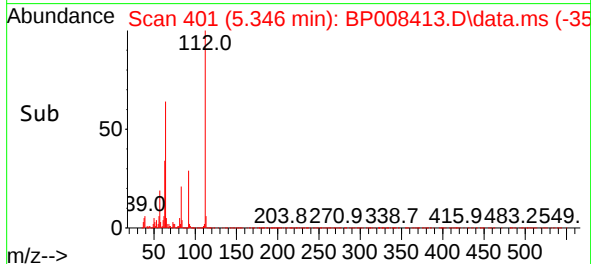
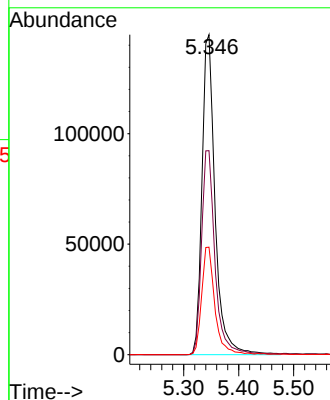
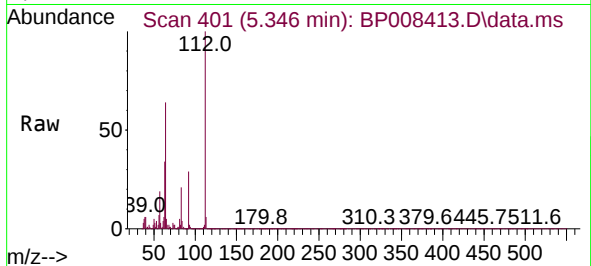




#5
2-Fluorophenol
Concen: 71.637 ng
RT: 5.346 min Scan# 401
Delta R.T. 0.000 min
Lab File: BP008413.D
Acq: 15 Dec 2021 12:59

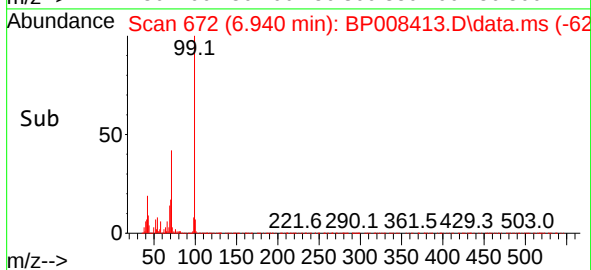
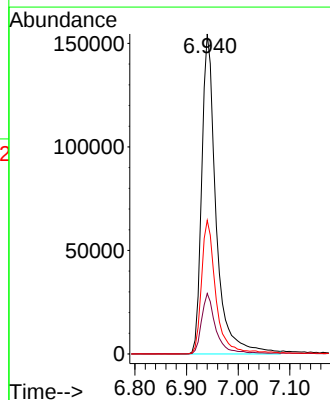
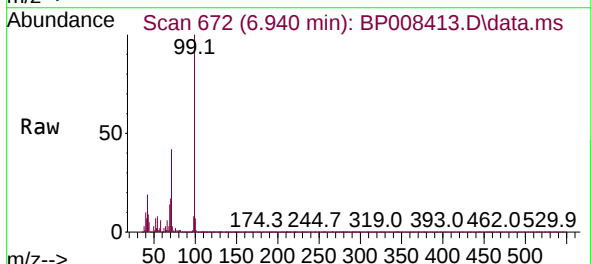
Instrument :
BNA_P
ClientSampleId :
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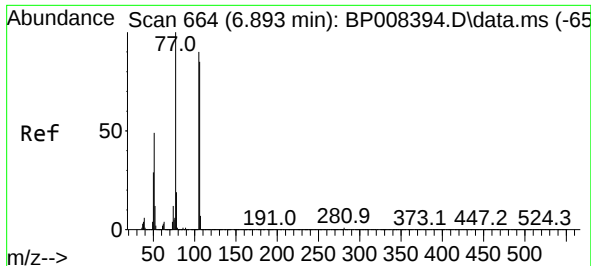
Tgt Ion:	112	Resp:	239456
Ion	Ratio	Lower	Upper
112	100		
64	63.8	53.4	80.2
63	33.6	27.8	41.8



#7
Phenol-d6
Concen: 66.592 ng
RT: 6.940 min Scan# 672
Delta R.T. 0.000 min
Lab File: BP008413.D
Acq: 15 Dec 2021 12:59

Tgt Ion:	99	Resp:	298957
Ion	Ratio	Lower	Upper
99	100		
42	18.9	14.6	22.0
71	41.7	31.1	46.7

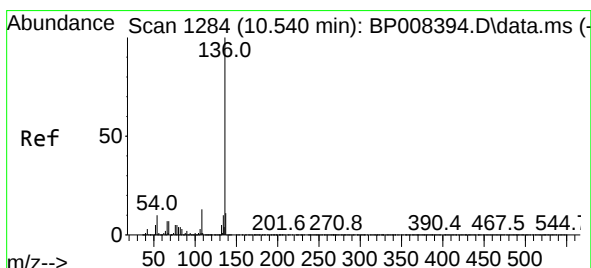
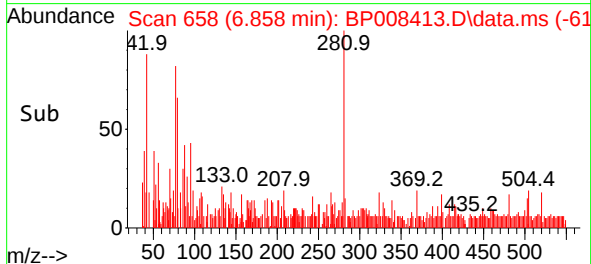
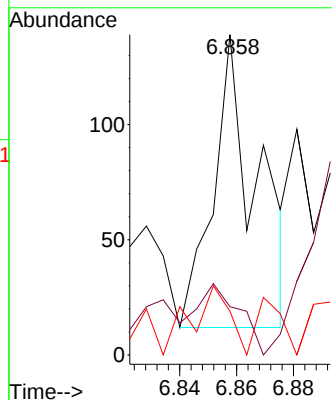
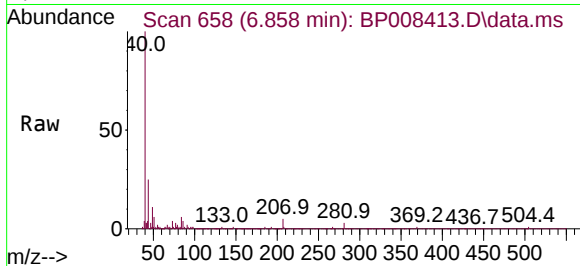




#9
Benzaldehyde
Concen: Below Cal
RT: 6.858 min Scan# 61
Delta R.T. -0.035 min
Lab File: BP008413.D
Acq: 15 Dec 2021 12:59

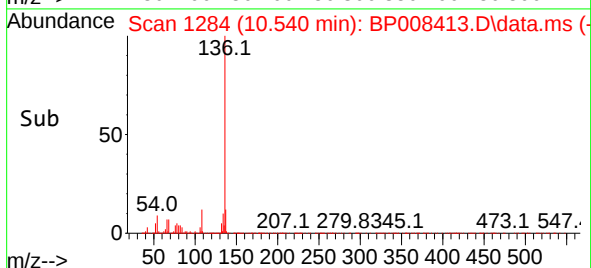
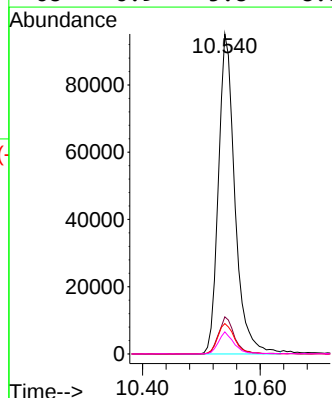
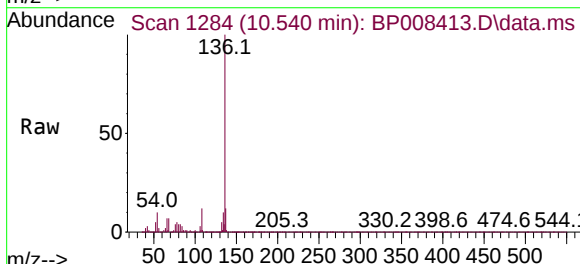
Instrument :
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ClientSampleId :
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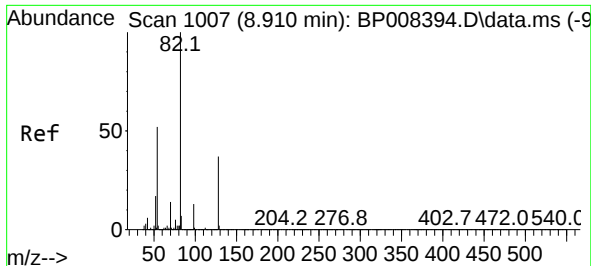
Tgt Ion: 77 Resp: 135
Ion Ratio Lower Upper
77 100
105 15.1 71.8 111.8#
106 13.7 67.3 107.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1284
Delta R.T. -0.000 min
Lab File: BP008413.D
Acq: 15 Dec 2021 12:59

Tgt Ion:136 Resp: 185453
Ion Ratio Lower Upper
136 100
137 11.6 9.0 13.6
54 9.5 8.2 12.4
68 6.9 5.8 8.8





#23

Nitrobenzene-d5

Concen: 47.282 ng

RT: 8.911 min Scan# 1007

Delta R.T. 0.000 min

Lab File: BP008413.D

Acq: 15 Dec 2021 12:59

Instrument :

BNA_P

ClientSampleId :

SB-19-G

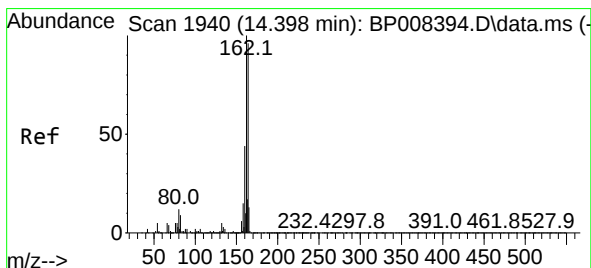
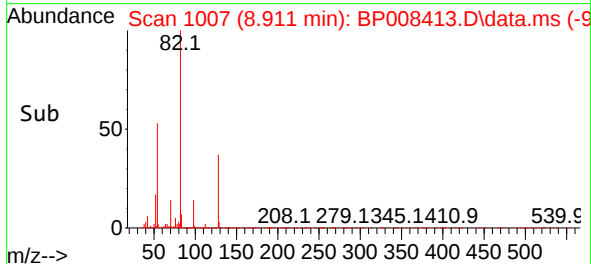
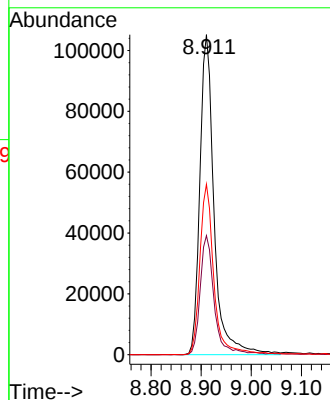
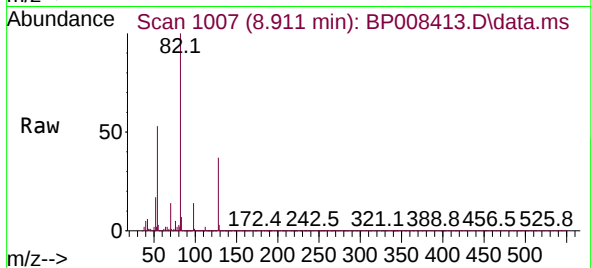
Tgt Ion: 82 Resp: 206977

Ion Ratio Lower Upper

82 100

128 37.2 29.6 44.4

54 53.3 42.7 64.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.398 min Scan# 1940

Delta R.T. 0.000 min

Lab File: BP008413.D

Acq: 15 Dec 2021 12:59

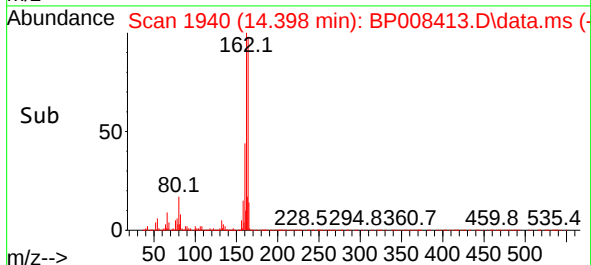
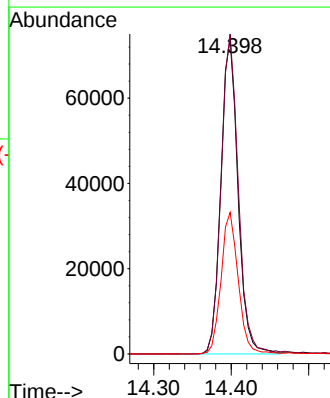
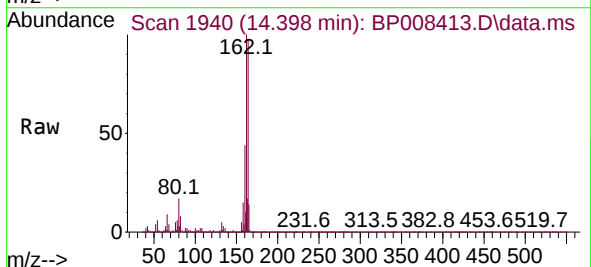
Tgt Ion:164 Resp: 113348

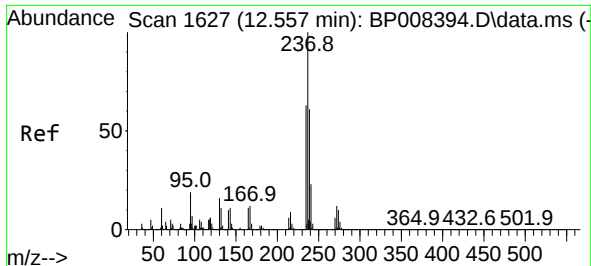
Ion Ratio Lower Upper

164 100

162 101.8 81.9 122.9

160 45.1 35.4 53.0

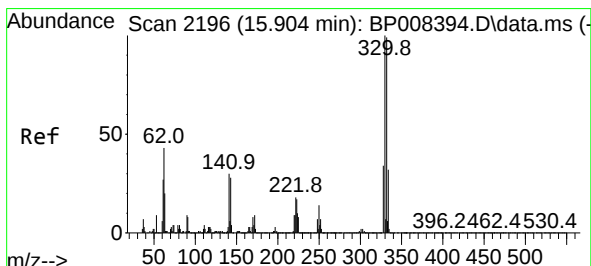
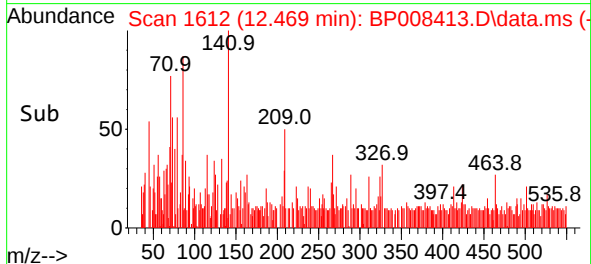
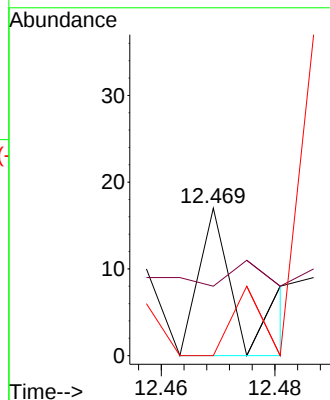
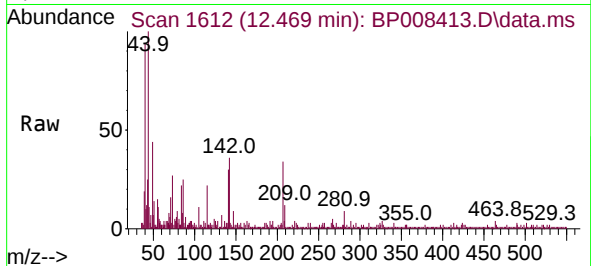




#41
Hexachlorocyclopentadiene
Concen: 8.659 ng
RT: 12.469 min Scan# 1627
Delta R.T. -0.088 min
Lab File: BP008413.D
Acq: 15 Dec 2021 12:59

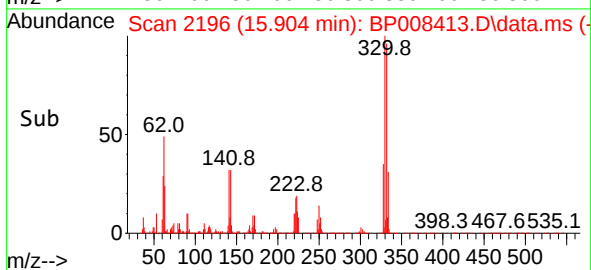
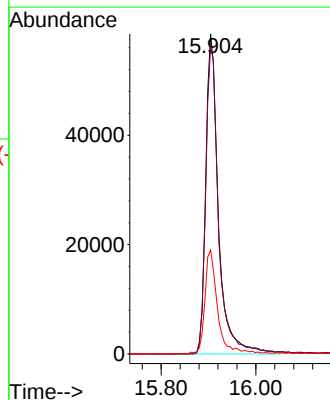
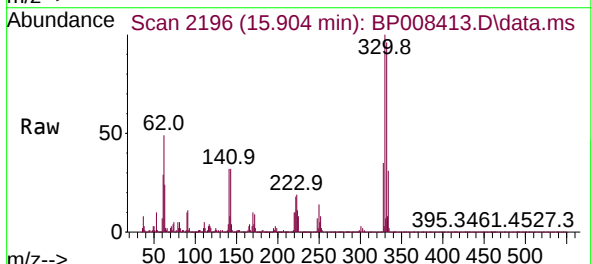
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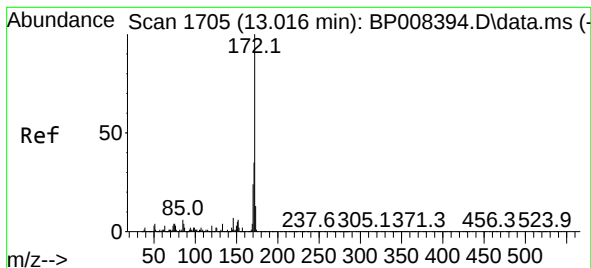
Tgt Ion:237	Resp:	9
Ion	Ratio	Lower Upper
237	100	
235	47.1	42.3 82.3
272	0.0	0.0 32.2



#42
2,4,6-Tribromophenol
Concen: 65.292 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BP008413.D
Acq: 15 Dec 2021 12:59

Tgt Ion:330	Resp:	108759
Ion	Ratio	Lower Upper
330	100	
332	97.8	77.0 115.4
141	32.2	28.4 42.6





#45

2-Fluorobiphenyl

Concen: 43.463 ng

RT: 13.016 min Scan# 11

Delta R.T. 0.000 min

Lab File: BP008413.D

Acq: 15 Dec 2021 12:59

Instrument :

BNA_P

ClientSampleId :

SB-19-G

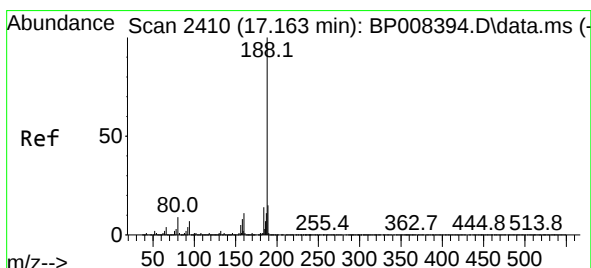
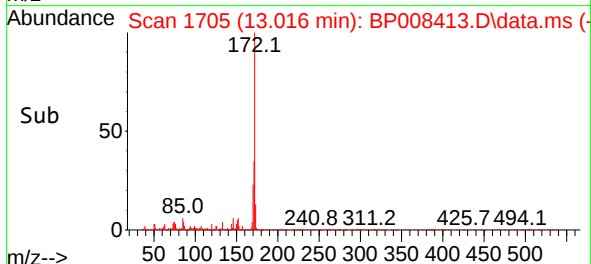
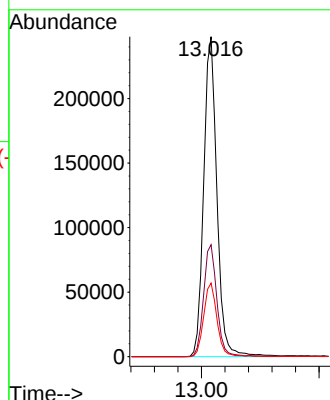
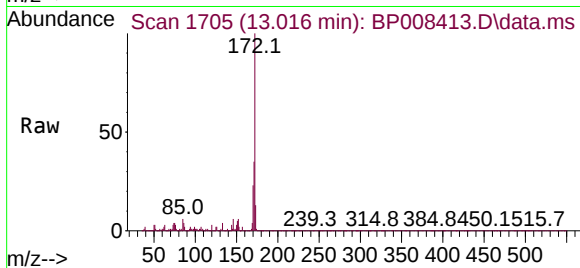
Tgt Ion:172 Resp: 387540

Ion Ratio Lower Upper

172 100

171 35.0 28.0 42.0

170 23.0 18.9 28.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 2409

Delta R.T. -0.006 min

Lab File: BP008413.D

Acq: 15 Dec 2021 12:59

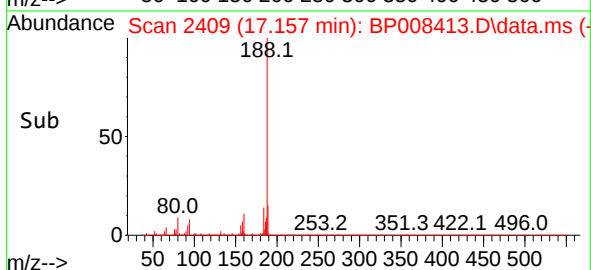
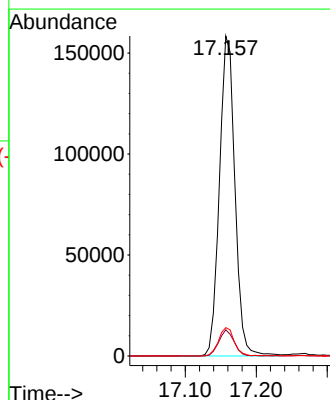
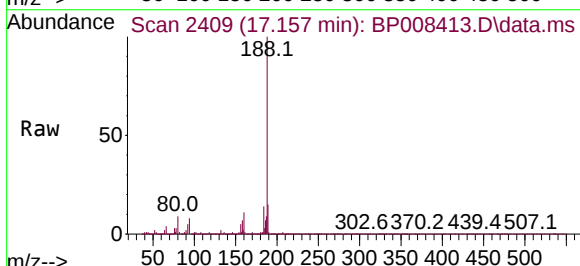
Tgt Ion:188 Resp: 238800

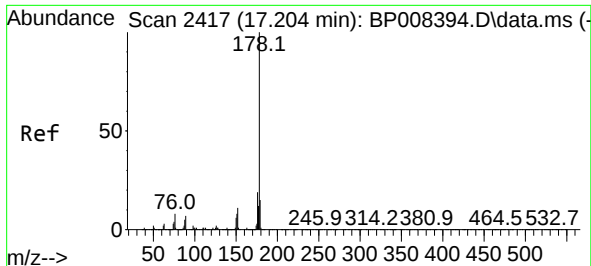
Ion Ratio Lower Upper

188 100

94 8.2 7.2 10.8

80 8.9 8.2 12.4

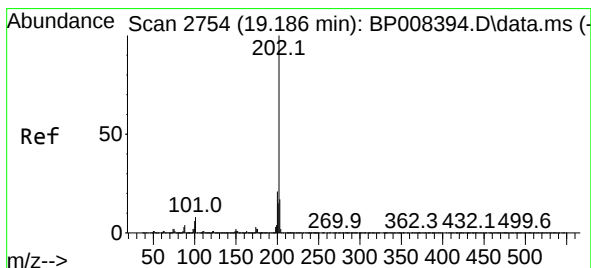
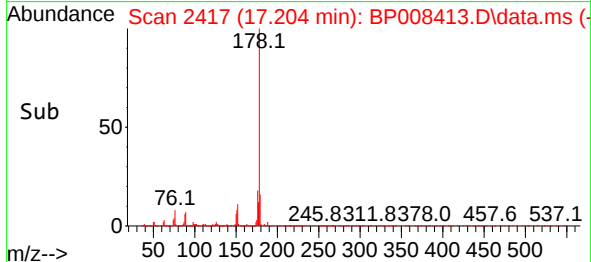
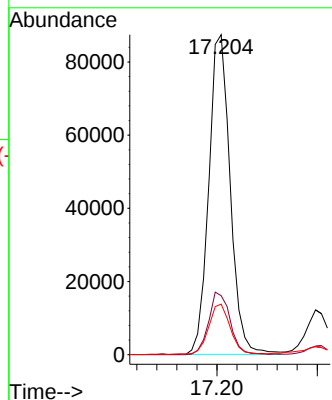
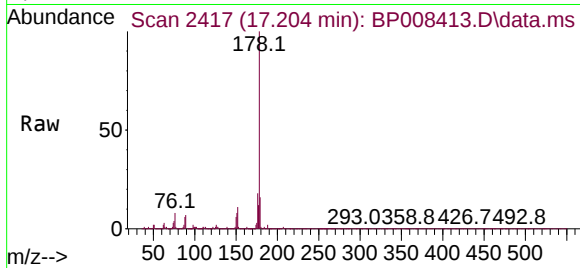




#71
Phenanthrene
Concen: 10.019 ng
RT: 17.204 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BP008413.D
Acq: 15 Dec 2021 12:59

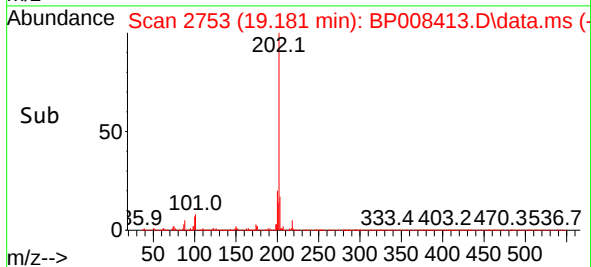
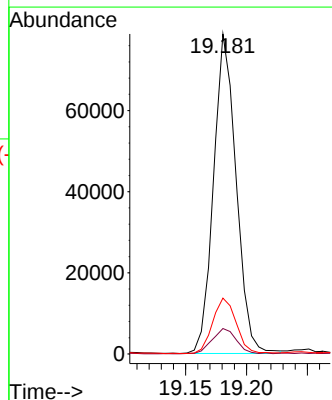
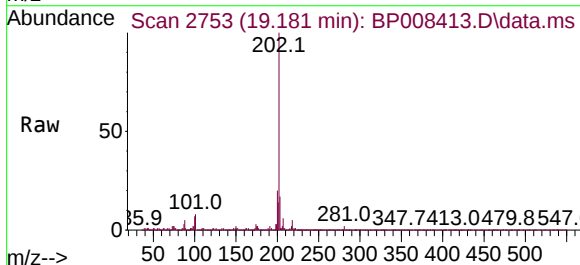
Instrument :
BNA_P
ClientSampleId :
SB-19-G

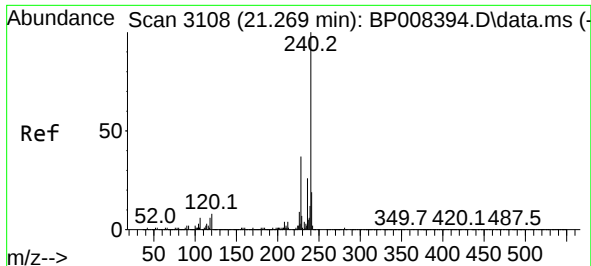
Tgt Ion:178 Resp: 129607
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 15.8 12.5 18.7



#75
Fluoranthene
Concen: 6.961 ng
RT: 19.181 min Scan# 2753
Delta R.T. -0.006 min
Lab File: BP008413.D
Acq: 15 Dec 2021 12:59

Tgt Ion:202 Resp: 101661
Ion Ratio Lower Upper
202 100
101 8.0 0.0 29.8
203 17.5 0.0 37.7

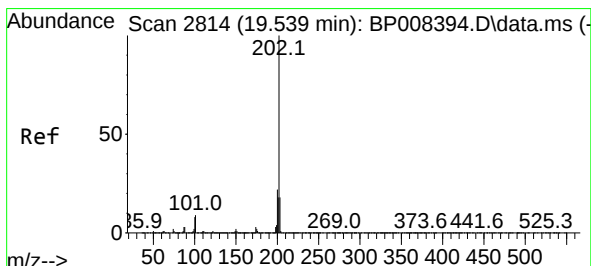
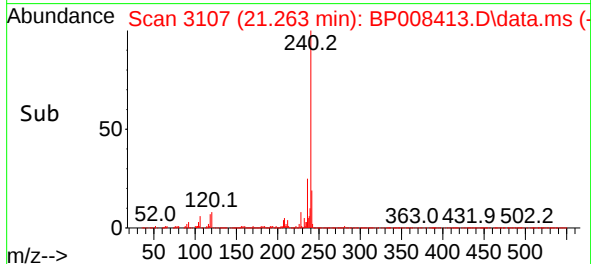
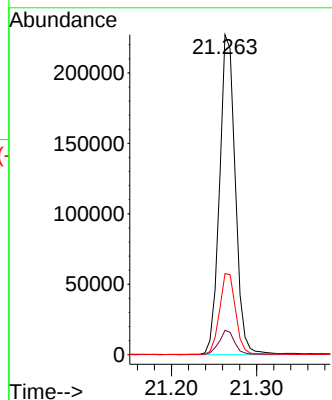
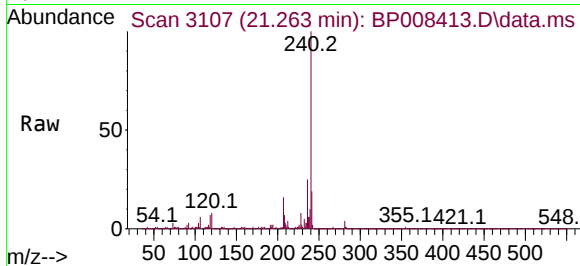




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.263 min Scan# 3108
Delta R.T. -0.006 min
Lab File: BP008413.D
Acq: 15 Dec 2021 12:59

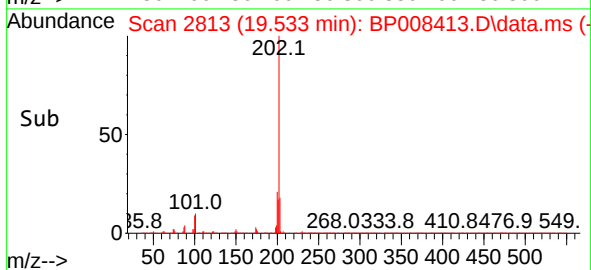
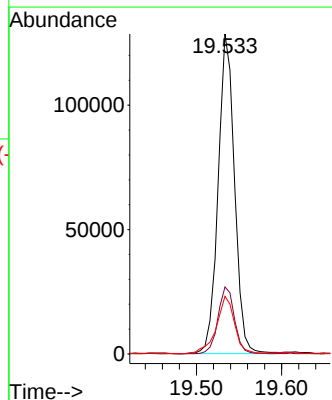
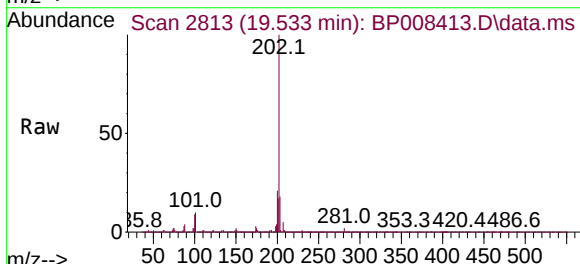
Instrument :
BNA_P
ClientSampleId :
SB-19-G

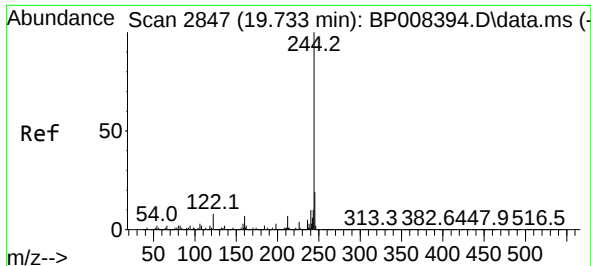
Tgt Ion:240 Resp: 291603
Ion Ratio Lower Upper
240 100
120 7.6 7.3 10.9
236 25.4 21.4 32.2



#78
Pyrene
Concen: 8.266 ng
RT: 19.533 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BP008413.D
Acq: 15 Dec 2021 12:59

Tgt Ion:202 Resp: 172460
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 18.0 14.2 21.2



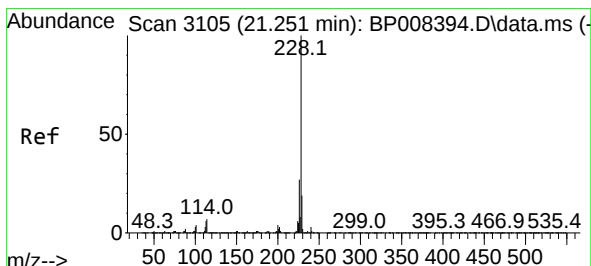
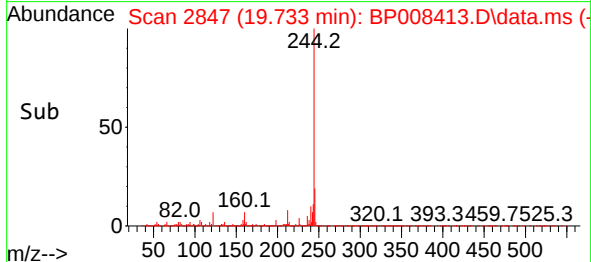
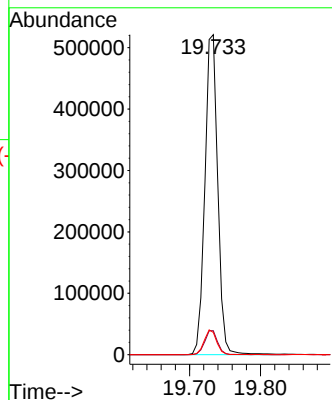
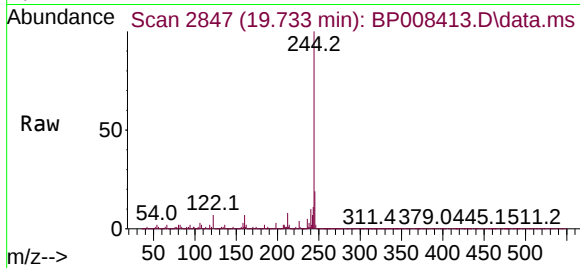


#79
 Terphenyl-d14
 Concen: 39.234 ng
 RT: 19.733 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP008413.D
 Acq: 15 Dec 2021 12:59

Instrument :
 BNA_P
 ClientSampleId :
 SB-19-G

Tgt Ion:244 Resp: 657364

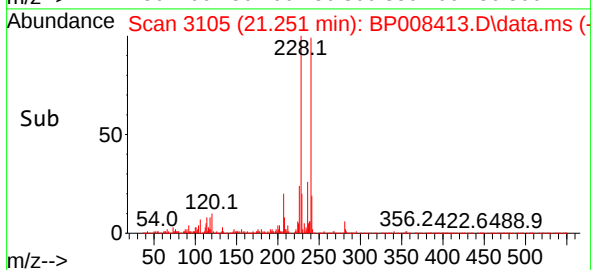
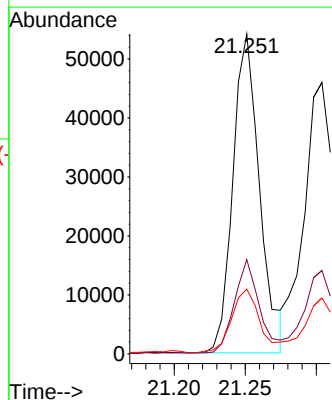
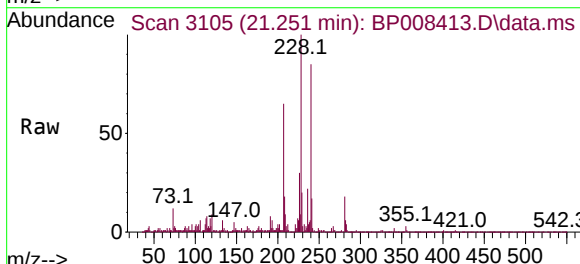
Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	6.9	6.6	9.8

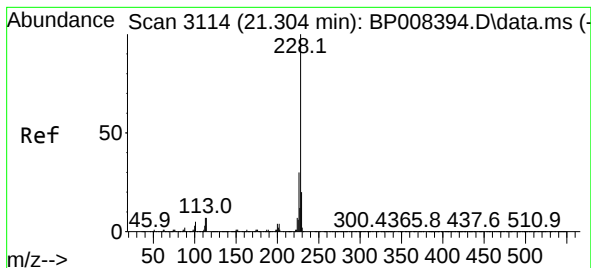


#81
 Benzo(a)anthracene
 Concen: 3.615 ng
 RT: 21.251 min Scan# 3105
 Delta R.T. 0.000 min
 Lab File: BP008413.D
 Acq: 15 Dec 2021 12:59

Tgt Ion:228 Resp: 70651

Ion	Ratio	Lower	Upper
228	100		
226	29.5	21.9	32.9
229	20.3	15.9	23.9





#83

Chrysene

Concen: 3.606 ng

RT: 21.304 min Scan# 3114

Delta R.T. 0.000 min

Lab File: BP008413.D

Acq: 15 Dec 2021 12:59

Instrument :

BNA_P

ClientSampleId :

SB-19-G

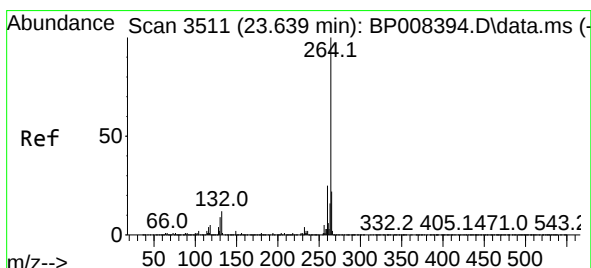
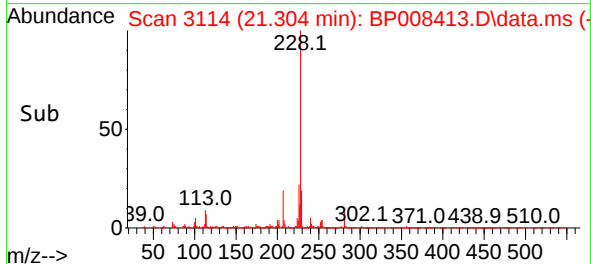
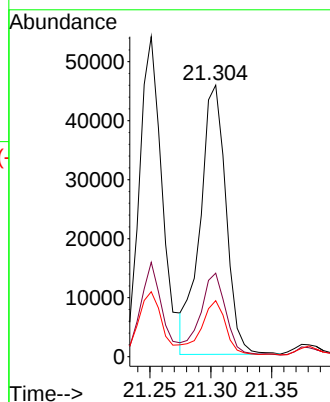
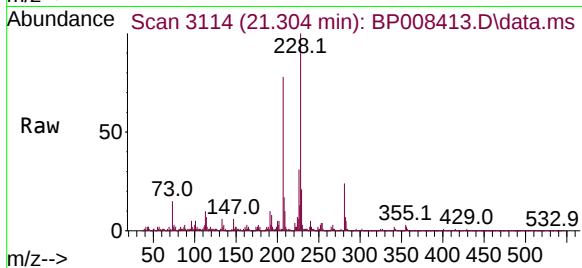
Tgt Ion:228 Resp: 67306

Ion Ratio Lower Upper

228 100

226 30.8 24.0 36.0

229 20.6 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.633 min Scan# 3510

Delta R.T. -0.006 min

Lab File: BP008413.D

Acq: 15 Dec 2021 12:59

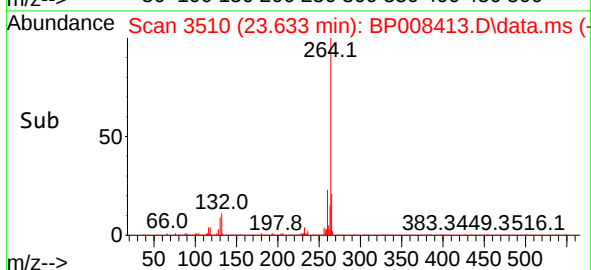
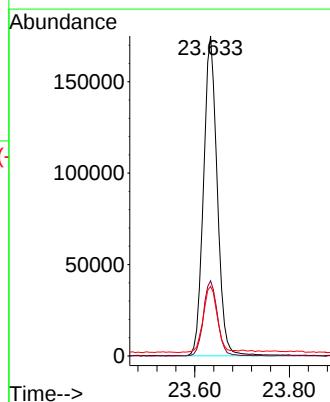
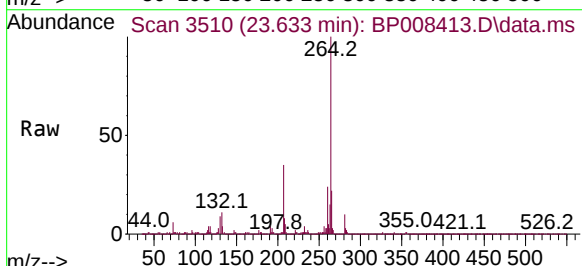
Tgt Ion:264 Resp: 350718

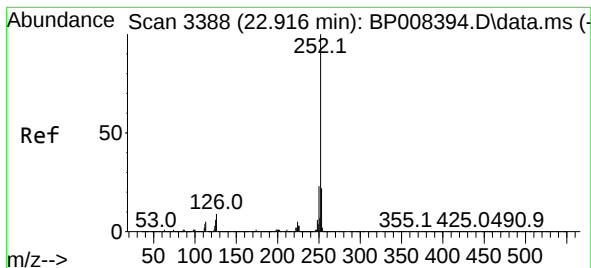
Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.2

265 21.7 17.6 26.4





#88

Benzo(b)fluoranthene

Concen: 3.312 ng

RT: 22.922 min Scan# 3389

Delta R.T. 0.006 min

Lab File: BP008413.D

Acq: 15 Dec 2021 12:59

Instrument :

BNA_P

ClientSampleId :

SB-19-G

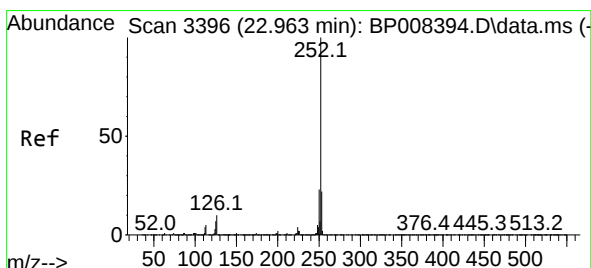
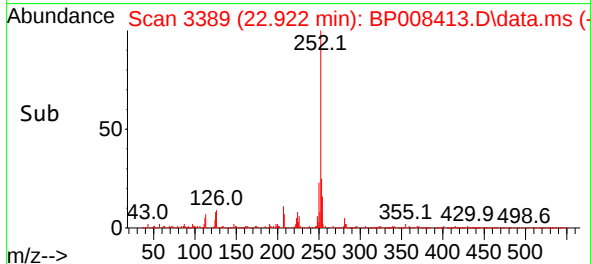
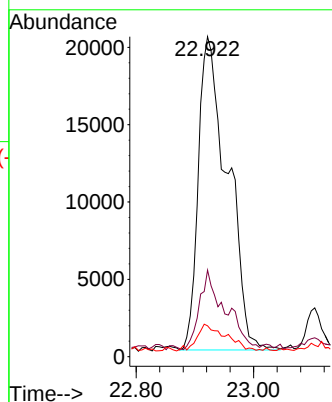
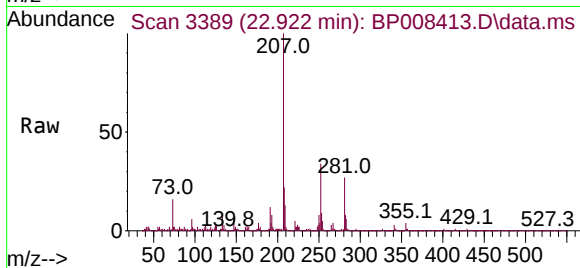
Tgt Ion:252 Resp: 69872

Ion Ratio Lower Upper

252 100

253 27.1 17.7 26.5#

125 9.6 6.2 9.4#



#89

Benzo(k)fluoranthene

Concen: 3.284 ng

RT: 22.922 min Scan# 3389

Delta R.T. -0.041 min

Lab File: BP008413.D

Acq: 15 Dec 2021 12:59

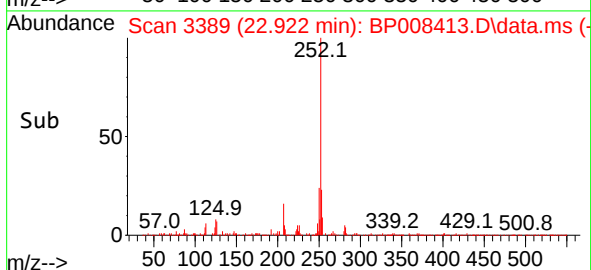
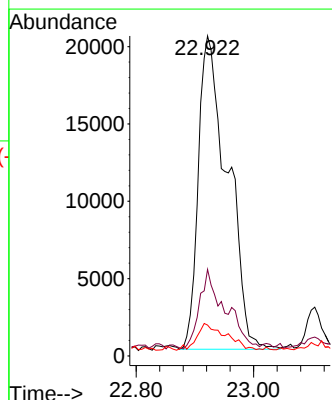
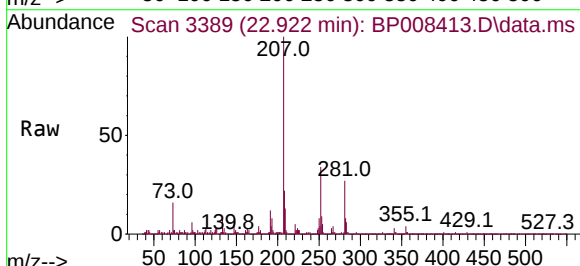
Tgt Ion:252 Resp: 69872

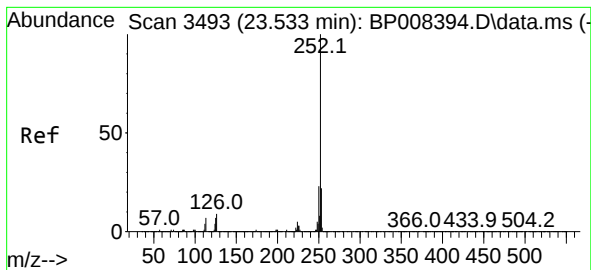
Ion Ratio Lower Upper

252 100

253 27.1 17.3 25.9#

125 9.6 6.5 9.7





#90

Benzo(a)pyrene

Concen: 2.383 ng

RT: 23.533 min Scan# 34

Delta R.T. 0.000 min

Lab File: BP008413.D

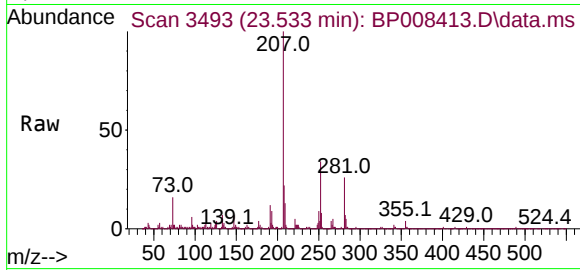
Acq: 15 Dec 2021 12:59

Instrument :

BNA_P

ClientSampleId :

SB-19-G



Tgt Ion:252 Resp: 43636

Ion Ratio Lower Upper

252 100

253 24.3 17.6 26.4

125 9.3 7.4 11.0

